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AMENDMENTS TO THE CLAIMS

1. **(PREVIOUSLY PRESENTED)** An apparatus for filtering particulates from a gas, comprising:

 a casing defining an inner cavity having an inlet adapted to receive a flow of gas, such that gas enters the inner cavity, and an outlet through which gas exits the inner cavity;

 a filter associated with the outlet such that gas exiting the inner cavity through the outlet passes through the filter, the filter being adapted to retain particulates beyond a predetermined size from a gas flowing therethrough; and

 a back-pulse generator positioned downstream of the filter, the back-pulse generator having a diaphragm in the casing directly exposed to filtered gas exiting the filter, the diaphragm being sized and oriented such that actuation of the diaphragm moves the filtered gas and causes a reverse flow of the filtered gas through the outlet and into the inner cavity of the casing, so as to dislodge a portion of the particulates retained in the filter into the inner cavity.

2. **(PREVIOUSLY PRESENTED)** The apparatus of claim 1, further comprising means for accumulating the portion of particulates dislodged from the filter in a bottom of the casing, the filter being a cylindrical filter oriented vertically, the filter being above said means.

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3. **(PREVIOUSLY PRESENTED)** The apparatus of claim 1, wherein the means are slots in a bottom of the casing, with the filter being a panel filter above said means, with the diaphragm being positioned above said filter.

4. **(ORIGINAL)** The apparatus according to claim 3, wherein the inlet is generally parallel to the bottom of the casing.

5. **(ORIGINAL)** The apparatus according to claim 1, further comprising a flow generator within the inner cavity of the casing to cause the flow of gas from the inlet to the outlet.

6. **(ORIGINAL)** The apparatus according to claim 5, wherein the flow generator is downstream of the back-pulse generator.

7. **(ORIGINAL)** The apparatus according to claim 1, wherein the casing has a casing portion detachable from a remainder of the casing, the casing portion having the filter and the inlet.

8. **(ORIGINAL)** The apparatus according to claim 1, further comprising a chemical treatment filter in the inner cavity downstream of the back-pulse generator.

9. **(PREVIOUSLY PRESENTED)** The apparatus according to claim 1, further comprising a nozzle between the filter and the back-pulse generator, so as to enhance an effect of the reverse flow on the filter.

10. **(ORIGINAL)** The apparatus according to claim 1, wherein the filter has a low adherence coating on a filtering side thereof.

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11. **(PREVIOUSLY PRESENTED)** The apparatus according to claim 1, wherein the back-pulse generator is a ring vortex generator.

12. **(ORIGINAL)** The apparatus according to claim 11, comprising a plurality of the ring vortex generator.

13.-21. **(CANCELED)**